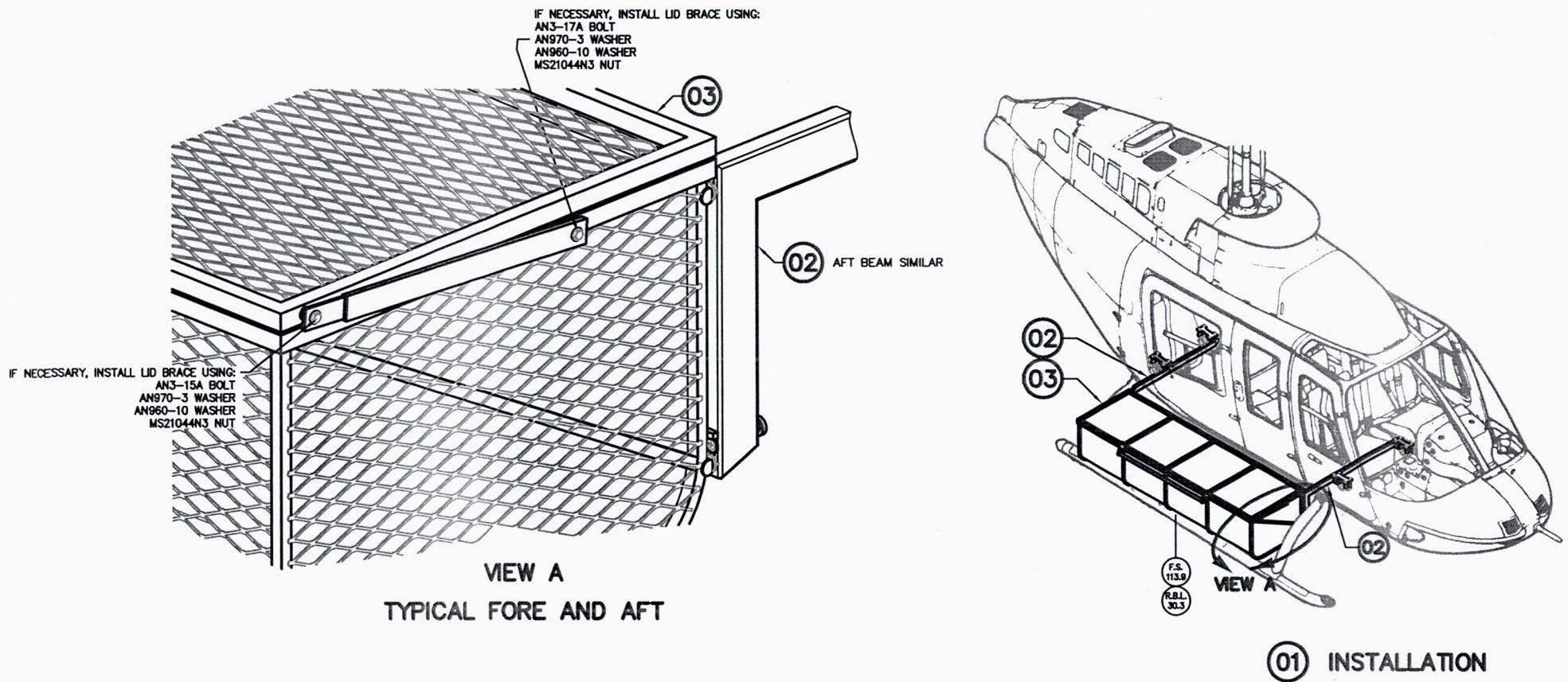


DOCUMENT CONTROL LIST

DOCUMENT NO.	DOCUMENT CONTENT	REVISION
INSTALLATION DOCUMENTS		
70201	Quick Release Cargo Basket Installation	4 ✓
70202	Quick Release Mounting Provisions Installation	0 -
ICA698.90	Instructions for Continued Airworthiness	2 ✓
FMS702.90	Flight Manual Supplement	3 ✓
FABRICATION DOCUMENTS		
DCL698-1	Document Control List for Quick Release Cargo Basket	2 ✓
DCL698-2	Document Control List for Beams	4 ✓
APPROVAL:	ORIGINAL DATE: 10 May, 2006 REVISION DATE: 27 October, 2011	AERO DESIGN LTD. 2013 – 39 th Ave NE, Calgary, Alberta, T2E 6R7 Ph. (403) 250-8027 Fax. (403) 250-8333
	SHEET 1 OF 1	Bell 206L Series Quick Release Cargo Basket Installation
	DCL702	Rev. 3

FORM AE-100

DEPARTMENT OF TRANSPORT STATEMENT OF COMPLIANCE OF AIRCRAFT OR AIRCRAFT COMPONENTS WITH THE AIRWORTHINESS REQUIREMENTS		AE-100 No.: AE702 Initial Issue Date: 25 May, 2006 Revision: 2 Revision Date: 25 March, 2009 Approval No.: SH00-48 Delegation No.: 290M Delegate Name: E. Burgoin Classification of Designee: Employer: AERO Design Ltd.	
Aircraft Mfgr: Bell Aircraft Model: 206L Registration: All Eligible		Model Type Airplane <input type="checkbox"/> Helicopter <input checked="" type="checkbox"/> Appliance <input type="checkbox"/> Component <input type="checkbox"/>	
LIST OF APPROVED REPORTS AND DATA			
Document Number	Document Title		Compliance Status
DCL702 70201 70202	Revision 2 Revision 3 Revision 0	Document Control List and all documents referred to therein Quick Release Cargo Basket Installation Quick Release Mounting Provisions Installation	
		DATA APPROVED BY TRANSPORT CANADA	
FMS702.90	Revision 2	Flight Manual Supplement	
CERTIFICATION			
UNDER THE AUTHORITY VESTED IN ME BY THE DEPARTMENT OF TRANSPORT, I HEREBY CERTIFY THAT THE DATA LISTED ABOVE AND ON THE ATTACHED SHEETS NUMBERED <u>Nil</u> HAVE BEEN EXAMINED IN ACCORDANCE WITH ESTABLISHED PROCEDURES AND FOUND TO COMPLY, TO THE BEST OF MY KNOWLEDGE AND BELIEF WITH THE PERTINENT COMPLIANCE REQUIREMENTS.			
I THEREFORE	<input type="checkbox"/> RECOMMEND FOR APPROVAL OF THESE DATA <input checked="" type="checkbox"/> APPROVE THESE DATA		
			E. Burgoin, DAR 290M



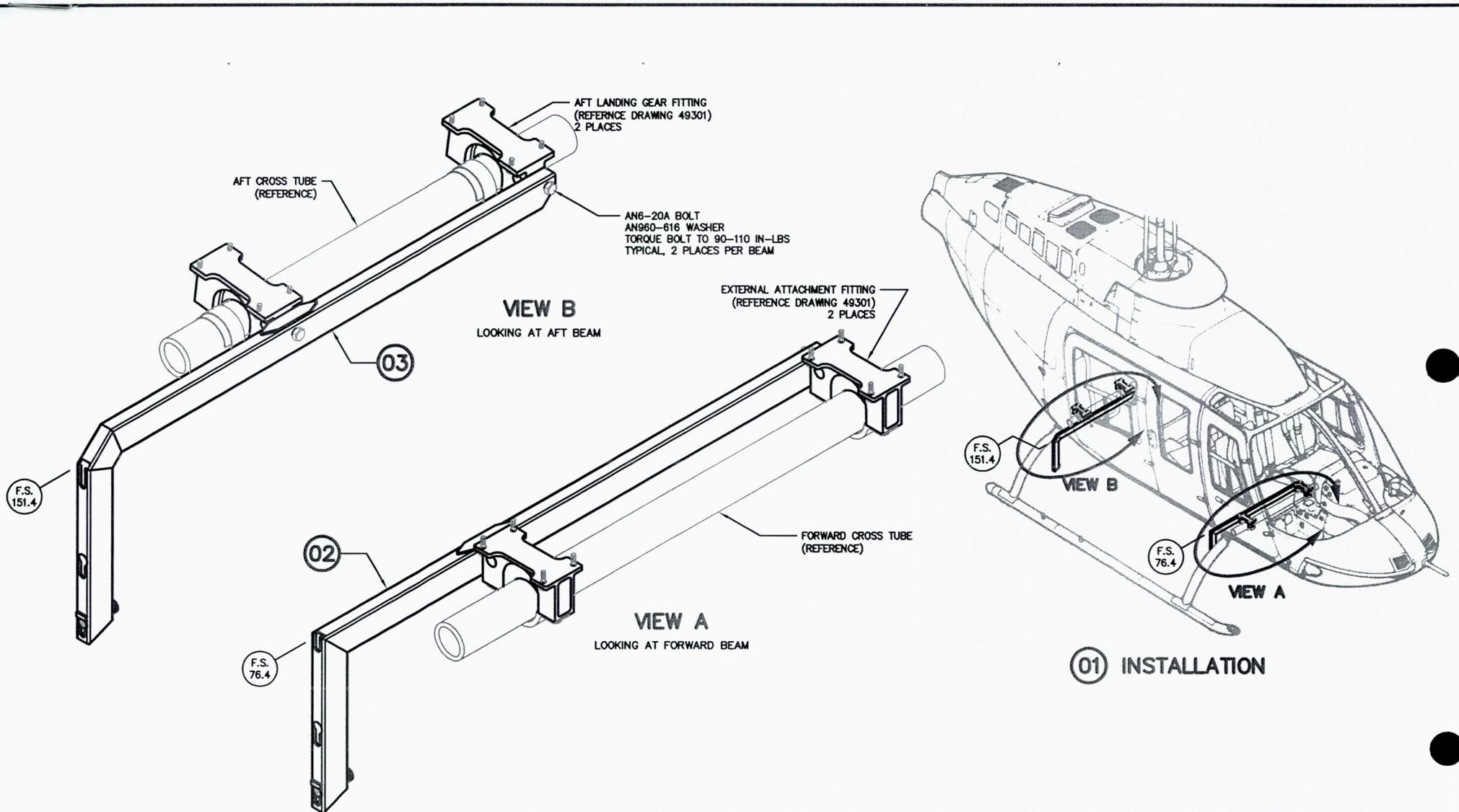
1	69810-01	03	CARGO BASKET ASSEMBLY		APPROVALS	DATE	AERO DESIGN LTD. CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M 2013 – 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 6R7 tel: (403) 250-8027 fax: (403) 250-8333 aerodesign@telusplanet.net				
			1	70202-01	02	PROVISIONS INSTALLATION					
1	70201-01	01	INSTALLATION	DRAWN:	JEFF CLARKE	17 APR 2006					
01	PART NO.	ITEM	DESCRIPTION	CHECKED:	E. BURGOIN						
QTY.	LIST OF MATERIALS						BELL 206L SERIES QUICK RELEASE CARGO BASKET INSTALLATION				
		--- NOTICE ---		THIS DRAWING CONTAINS INFORMATION AND DATA WHICH IS PROPRIETARY TO AERO DESIGN LTD. THIS DRAWING, OR ANY PORTION THEREOF, MAY NOT BE REPRODUCED, COPIED, OR DUPLICATED IN ANY MANNER, NOR USED FOR MANUFACTURING WITHOUT THE WRITTEN CONSENT OF AERO DESIGN LTD. BY ACCEPTING THIS DRAWING FOR REFERENCE, THE RECIPIENT AGREES TO HOLD AERO DESIGN LTD. HARMLESS FROM THE USE, OR MISUSE, OF THIS DRAWING OR THE INFORMATION CONTAINED THEREON.							
				UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ANGLES X.XXX ±0.010 ±1/2° X.XX ±0.03 X.X ±0.1							
				NOT TO SCALE		DWG. SIZE	DWG. NO.	REV.			
				SHEET 1 OF 2		A4	70201	3			

REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE	BJC	APR 17/06
1	UPPER BEAM ATTACHMENT CHANGED	BJC	NOV 09/06
2	ADD ELIGIBLE BEAM ASSEMBLIES	BJC	JUNE 29/07
3	DRAWING RESIZED, PROVISIONS MOVED TO DRAWING 70202	BJC	JULY 15/08

NOTES:

1. EXTERNAL ATTACHMENT PROVISIONS INSTALLED IN ACCORDANCE WITH DRAWING 49301 IS MANDATORY PREREQUISITE FOR THIS INSTALLATION. QUICK RELEASE MOUNTING PROVISIONS INSTALLED IN ACCORDANCE WITH DRAWING 70202 IS MANDATORY PREREQUISITE FOR THIS INSTALLATION.
2. HIGH SKID GEAR INSTALLATION IS MANDATORY PREREQUISITE FOR THIS INSTALLATION.
3. SEE FLIGHT MANUAL SUPPLEMENT, FMS702.90, FOR LIMITATIONS ON HELICOPTER OPERATIONS WITH CARGO BASKET INSTALLED.
4. SEE INSTRUCTIONS FOR CONTINUED AIRWORTHINESS, ICA698.90, FOR MAINTENANCE INFORMATION.
5. BEAMS (73030-01 AND 73031-01) ARE USED FOR INSTALLATION OF EQUIPMENT ON BOTH LEFT AND RIGHT SIDES. PROVISIONS FOR INSTALLING THE QUICK RELEASE CARGO BASKET (69810-01) ON THE RIGHT SIDE IS PROVIDED.

WEIGHT AND BALANCE							
ITEM	DESCRIPTION	WEIGHT (LB)	LONGITUDINAL ARM (IN)	MOMENT (LB-IN)	ARM (IN)	MOMENT (LB-IN)	
01	CARGO BASKET INSTALLATION (CARGO BASKET AND MOUNTING PROVISIONS)	64.9	113.9	7390	30.3	1966	
	CARGO	200 MAX	114.1	22820	38.5	7700	
APPROVALS		DATE	AERO DESIGN LTD.				
DRAWN:	JEFF CLARKE	17 APR 2006	CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M 2013 - 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 6R7 tel: (403) 250-8027 fax: (403) 250-8333 aerodesign@telusplanet.net				
CHECKED:	E. BURGOIN						
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ANGLES X.XXX ±0.010 ±1/2°		BELL 206L SERIES QUICK RELEASE CARGO BASKET INSTALLATION					
		NOT TO SCALE	DWG. SIZE	DWG. NO.	REV.		
		SHEET 2 OF 2	A4	70201	3		



4	AN960-616		WASHER
4	AN6-20A		BOLT
1	73031-02	03	AFT BEAM (ALTERNATE)
1	69831-02	03	AFT BEAM (ALTERNATE)
1	69831-01	03	AFT BEAM
1	73030-02	02	FORWARD BEAM (ALTERNATE)
1	69830-02	02	FORWARD BEAM (ALTERNATE)
1	69830-01	02	FORWARD BEAM
	70202-01	01	INSTALLATION
01	PART NO.	ITEM	DESCRIPTION
QTY.	LIST OF MATERIALS		

APPROVALS	DATE	AERO DESIGN LTD.		
DRAWN: JEFF CLARKE	15 JULY 2008	CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M 2013 - 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 6R7 tel: (403) 250-8027 fax: (403) 250-8333 aerodesign@telusplanet.net		
CHECKED: E. BURGOIN				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ANGLES X.XXX ±0.010 ±1/2°		BELL 206L SERIES QUICK RELEASE MOUNTING PROVISIONS PROVISIONS INSTALLATION		
NOT TO SCALE		DWG. SIZE	DWG. NO.	REV.
SHEET 1 OF 2		A4	70202	0

REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE	BJC	JULY 15/08

NOTES:

1. EXTERNAL ATTACHMENT PROVISIONS INSTALLED IN ACCORDANCE WITH DRAWING 49301 IS MANDATORY PREREQUISITE FOR THIS INSTALLATION.
2. HIGH SKID GEAR INSTALLATION IS MANDATORY PREREQUISITE FOR THIS INSTALLATION.
3. BEAMS (73030-01 AND 73031-01) ARE USED FOR INSTALLATION OF EQUIPMENT ON BOTH LEFT AND RIGHT SIDES. PROVISIONS FOR INSTALLING THE QUICK RELEASE CARGO BASKET (69810-01) ON THE RIGHT SIDE IS PROVIDED.

WEIGHT AND BALANCE

ITEM	DESCRIPTION	WEIGHT (LB)	LONGITUDINAL ARM (IN)	MOMENT (LB-IN)	LATERAL ARM (IN)	MOMENT (LB-IN)
02	FORWARD BEAM	10.1	76.4	771.6	10.9	110.1
03	AFT BEAM	9.8	151.4	1483.7	12.6	123.5
01	MOUNTING PROVISIONS INSTALLATION	19.9	113.3	2255.3	11.7	233.6

APPROVALS	DATE
DRAWN: JEFF CLARKE	15 JULY 2008
CHECKED: E. BURGOIN	

AERO DESIGN LTD.

CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M
2013 - 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 6R7
tel: (403) 250-8027 fax: (403) 250-8333 aerodesign@telusplanet.net

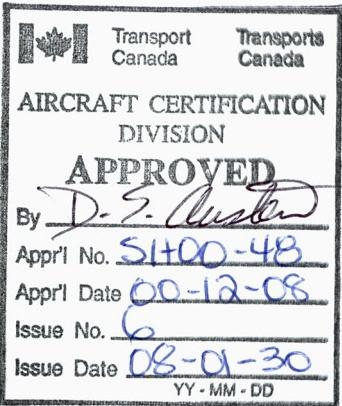
NOTICE --
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DIMENSIONS ARE IN INCHES.
TOLERANCES ON:
DECIMALS ANGLES
X.XXX ±0.010 ±1/2°

BELL 206L SERIES
QUICK RELEASE MOUNTING PROVISIONS
PROVISIONS INSTALLATION

NOT TO SCALE	DWG. SIZE	DWG. NO.	REV.	
SHEET 2 OF 2	A4	70202	0	

DOCUMENT CONTROL LIST

DOCUMENT NO.	DOCUMENT CONTENT	REVISION
INSTALLATION DOCUMENTS		
70201	Quick Release Cargo Basket Installation	2
ICA698.90	Instructions for Continued Airworthiness	1
FMS702.90	Flight Manual Supplement	1
FABRICATION DOCUMENTS		
DCL698-1 DCL698-2	Document Control List for Quick Release Cargo Basket Document Control List for Beams	1 2
ENGINEERING DOCUMENTS		
APPROVAL:		
 <p>APPROVED By <i>D. S. Austin</i> App'l No. <u>SI+00-48</u> App'l Date <u>00-12-08</u> Issue No. <u>6</u> Issue Date <u>08-01-30</u> YY - MM - DD</p>	ORIGINAL DATE: 10 May, 2006 REVISION DATE: 28 September, 2007	AERO DESIGN LTD. 2013 – 39 th Ave NE, Calgary, Alberta, T2E 6R7 Ph. (403) 250-8027 Fax. (403) 250-8333
	SHEET 1 OF 1	Bell 206L Series Quick Release Cargo Basket Installation
	DCL702	Rev. 1

AERO DESIGN LTD.

FMS702.90

BELL 206L SERIES

ROTORCRAFT FLIGHT MANUAL SUPPLEMENT for the INSTALLATION of the AERO DESIGN QUICK RELEASE CARGO BASKET

Supplemental Type Certificate No. SH00-48

Sections I, II, III and IV of this document comprise the Transport Canada Approved sections of this Flight Manual Supplement. Compliance with Section I, Limitations, is mandatory.

Section V and any subsequent sections if present are Unapproved and are provided for information only.

The information and data contained in this Flight Manual Supplement supersede or supplement that contained in the basic Approved Flight Manual for the Bell 206L Series when fitted with the Quick Release Cargo Basket Installation. For limitations, procedures and performance not listed in this Flight Manual Supplement, refer to the Approved Flight Manual and other approved Flight Manual Supplements.



Revision 0
05 May, 2006

JUN 09 2006
Page 1
TRANSPORT CANADA APPROVED

Table of Contents

I	Limitations	3
II	Normal Procedures	3
III	Emergency Procedures	3
IV	Performance	3
V	Weight and Balance	4
VI	Installation / removal instructions	6

Record of Revisions

Revision	Issue Date	Pages Revised	Date Inserted	By
0	05 May, 2006	None		

I LIMITATIONS

1. The maximum load in the AERO Design Ltd. Quick Release Cargo Basket is 200 lb. (90.9 kg).
2. Flight operations limited to VFR conditions with AERO Design Ltd. Cargo Basket installed.

II NORMAL PROCEDURES

1. Pre-flight inspections:
 - a) Ensure that all cargo stored in the cargo basket does not extend outside the basket, is properly tied down and secured for flight.
 - b) Ensure that the lid of cargo basket is closed and secured.
 - c) Ensure the basket is locked in position on the beams. Pull up on the forward and aft end of the basket to check.

CAUTION

It is possible to exceed the lateral centre of gravity limits of the rotorcraft under some loading conditions. Pilots must ensure that lateral C of G is within limits when loading the basket.

III EMERGENCY PROCEDURES

No change from basic Approved Flight Manual.

CAUTION:

The rotorcraft glide angle is steeper than that of the basic helicopter when the AERO Design Ltd. Cargo Basket is installed.

IV PERFORMANCE

Climb performance may be reduced by up to 350 fpm.

Cruise speeds are reduced by approximately 10 mph.

V WEIGHT AND BALANCE

1. The following weight and balance is for the low mounted quick release cargo basket configuration, installed in accordance with drawing 70201.

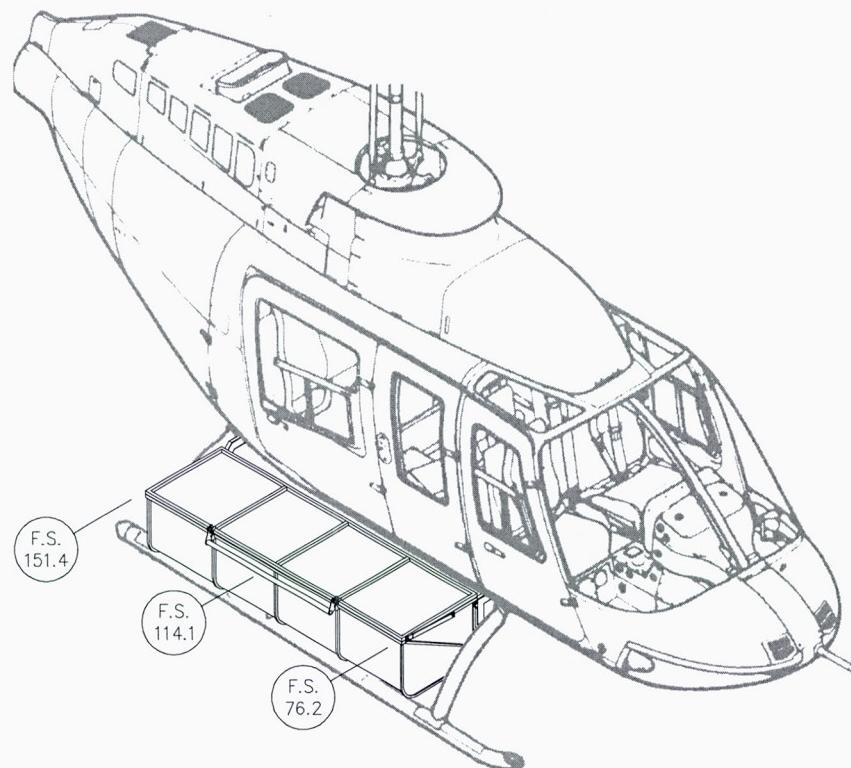


Figure 1 – Low Mounted Quick Release Cargo Basket Configuration

Low Mounted Quick Release Cargo Basket Configuration

Item	Weight	Longitudinal		Lateral	
		Arm	Moment	Arm	Moment
Cargo Basket Only ¹	45.0 lb	114.1 in	5134 in*lb	38.5 in	1733 in*lb
	20.4 kg	2898 mm	59 122 mm*kg	978 mm	19 949 mm*kg
Cargo ² (MAX)	200 lb	114.1 in	22 820 in*lb	38.5 in	7700 in*lb
	90.9 kg	2898 mm	263 467 mm*kg	978 mm	88 900 mm*kg

¹ Weight and balance is for Cargo Basket only. Mounting beams and attachment provisions are not included since they should have been included in the basic rotorcraft weight and balance at time of initial installation.

² Longitudinal and Lateral moment arms are given only for the center of the Cargo Basket. Due to the length of the basket, some loading arrangements may require that actual moment arms be measured, to determine the correct moments about the center of gravity.

Forward end of cargo basket is FS 76.2, aft end is FS 151.4.

CAUTION:

It is possible to exceed lateral CG limits in some configurations. For example, with one pilot, no passengers, fuel tanks half empty, and the AERO Design Ltd. cargo basket loaded with 200 pounds of cargo, the Lateral CG of the rotorcraft may be out of limits.

VI INSTALLATION / REMOVAL INSTRUCTIONS

The basket and beams are installed in accordance with drawing 70201. Removal of the basket leaving the beams in place is an approved configuration for flight. Logbook entry indicating installation or removal of basket and weight and balance amendment is required when basket is installed or removed.

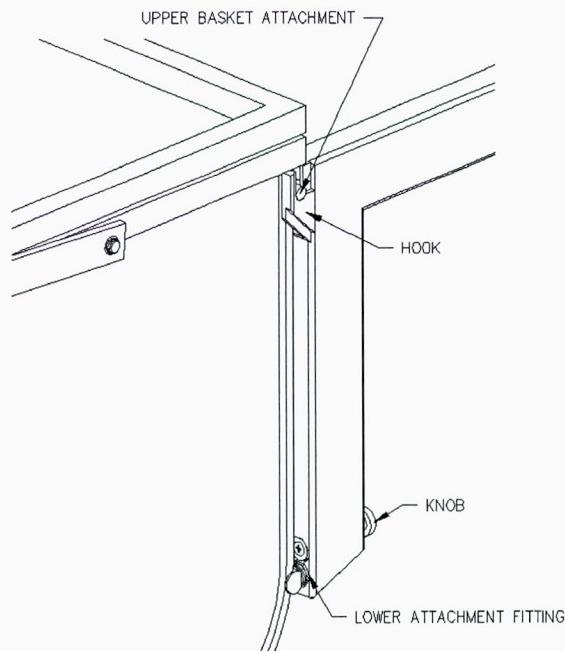


Figure 2 – Basket Attachment

1. Installation - Refer to Figure 2.
 1. Set basket upper attachment into hook on forward and aft beams.
 2. At forward end of basket, lift until lower attachment fitting can enter keyway. Push stop in and slide fitting down into keyway. Push down until locked. Repeat for aft end.
2. Removal - Refer to Figure 2.
 1. Pull knob at bottom end of forward beam and lift basket until lower attachment fitting is free of keyway. Keep upper basket attachment in hook on beam. Repeat for aft end.
 2. Lift basket off hooks and remove from helicopter.

1 November, 2007

Transport Canada
Aircraft Certification Division
11th Floor, Canada Place
9700 Jasper Avenue
Edmonton, Alberta
T5J 4E6

Attn: Jack Staal

Your File # : SH00-48

Our File # : Various

Re: Cargo Basket Approval Revisions

Jack,

Please find attached the following documents related to this project:

Supplemental Type Certificate (draft)

✓SH00-48 Issue 6

(High Quick Release Basket)

Document Control List

Document Control List

AE 100 Form

AE 100 Form

Compliance Program

Modification Approval Application Form

Engineering Report

Test Plan

Instructions for Continued Airworthiness

MSI 53 Review

Flight Manual Supplement (407)

Flight Manual Supplement (206L)

Cargo Basket Installation

Cargo Basket Assembly

Cargo Basket Body

Basket Components - End Hoop Assembly

Basket Comp. - Attach Hoop Assembly

Basket Components - Hoop

Basket Components - Placard

Support Beams

Handle Assembly

Handle Bar Assembly

Handle Bracket Assembly

Handle Lever

Basket Bracket

Lid Bracket

Bushing

Bushing

✓DCL766-1 Revision 0

✓DCL766-2 Revision 0

✓AE766-1 Revision 0

✓AE766-2 Revision 0

✓CP766 Revision 0

✓MOD766 Revision 0

✓ER766.01 Revision 0

✓TP766.02 Revision 0

✓ICA766.90 Revision 0

✓

✓FMS766.91 Revision 0

✓FMS766.92 Revision 0

✓76601 Revision 0

✓76610 Revision 0

✓76611 Revision 0

✓76621 Revision 0

✓76622 Revision 0

✓76623 Revision 0

✓76625 Revision 0

✓76630 Revision 0

✓36255 Revision 1

✓36261 Revision 3

✓36262 Revision 1

✓36271 Revision 1

✓36272 Revision 1

✓36273 Revision 1

✓36274 Revision 1

✓36275 Revision 2

(407 Attachment Provisions)

Document Control List
AE100 Form
Block Fabrication

- ✓ DCL700 Revision 1
✓ AE700 Revision 1
✓ 60620 Revision 1

(Low Fixed Basket)

Document Control List
Document Control List
AE100 Form
Cargo Basket Installation (206L)
Support Beams (Pocketed Aluminum)
Support Beams (Steel)
Engineering Report - Pocketed Beams
Instructions for Continued Airworthiness
Flight Manual Supplement
Document Control List
AE100 Form
Cargo Basket Installation (407)
Flight Manual Supplement

- ✓ DCL492 Revision 6
✓ DCL492-1 Revision 1
✓ AE492 Revision 2
✓ 49201 Revision 3
✓ 49221 Revision 3
✓ 49222 Revision 2
✓ ER492.04 Revision 1
✓ ICA492.90 Revision 1
✓ FMS492.01 Revision 2
✓ DCL606 Revision 3
✓ AE606 Revision 2
60601 Revision 2
✓ FMS606.01 Revision 2

(Quick Release Basket Installation)

Document Control List
AE100 Form
Cargo Basket Installation (407)
Flight Manual Supplement
Document Control List
AE100 Form
Cargo Basket Installation (206L)
Flight Manual Supplement

- ✓ DCL701 Revision 1
✓ AE701 Revision 1
✓ 70101 Revision 2
✓ FMS701.90 Revision 1
✓ DCL702 Revision 1
✓ AE702 Revision 1
✓ 70201 Revision 2
✓ FMS702.90 Revision 1

(Quick Release Basket Fabrication)

Document Control List
AE100 Form
Cargo Basket Assembly
Basket Body Assembly
Basket Components - End Hoop
Basket Components - Aft Hoop
Instructions for Continued Airworthiness
Document Control List
AE100 Form
Forward Beam Fabrication
Aft Beam Fabrication
Engineering Report

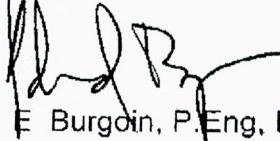
- ✓ DCL698-1 Revision 1
✓ AE698-1 Revision 1
✓ 69810 Revision 2
✓ 69811 Revision 2
✓ 69821 Revision 1
✓ 69822 Revision 0
✓ ICA698.90 Revision 1
✓ DCL698-2 Revision 2
✓ AE698-2 Revision 1
✓ 69830 Revision 2
✓ 69831 Revision 2
✓ ER698.04 Revision 0

AERO DESIGN LTD.
2013 - 39 Avenue N.E., Calgary, Alberta, T2E 6R7

Tel 403-250-8027
Fax 403-250-8333
info@aerodesign.ca

Please note the request for a revision to the FAA STC after the Canadian approval is issued.

Regards,



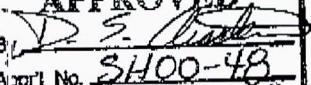
E. Burgoin, P.Eng, DAR 290M

Encl.

FORM AE-100

DEPARTMENT OF TRANSPORT STATEMENT OF COMPLIANCE OF AIRCRAFT OR AIRCRAFT COMPONENTS WITH THE AIRWORTHINESS REQUIREMENTS		AE-100 No.: AE702 Initial Issue Date: 25 May, 2006 Revision: 1 Revision Date: 1 November 2007 Approval No.: SH00-48 Delegation No.: 290M Delegate Name: E. Burgoine Classification of Designee: Employer: AERO Design Ltd			
Aircraft Mfgr: Bell Aircraft Model: 206L Registration: All Eligible				Model Type Airplane <input type="checkbox"/> Helicopter <input checked="" type="checkbox"/> Appliance <input type="checkbox"/> Component <input type="checkbox"/>	
LIST OF APPROVED REPORTS AND DATA					
Document Number	Document Title	Compliance Status			
DCL702 70201 DCL698-1 DCL698-2	Revision 1 Revision 2 Revision 1 Revision 2	Document Control List and all documents referred to therein Quick Release Cargo Basket Installation Document Control List for Quick Release Cargo Basket Document Control List for Beams			
FMS702.90 ICA698.90	Revision 1 Revision 1	Flight Manual Supplement (only unapproved sections revised) Instructions for Continued Airworthiness			
DATA APPROVED BY TRANSPORT CANADA					
CERTIFICATION					
UNDER THE AUTHORITY VESTED IN ME BY THE DEPARTMENT OF TRANSPORT, I HEREBY CERTIFY THAT THE DATA LISTED ABOVE AND ON THE ATTACHED SHEETS NUMBERED Nil HAVE BEEN EXAMINED IN ACCORDANCE WITH ESTABLISHED PROCEDURES AND FOUND TO COMPLY, TO THE BEST OF MY KNOWLEDGE AND BELIEF WITH THE PERTINENT COMPLIANCE REQUIREMENTS.					
I THEREFORE <input type="checkbox"/> RECOMMEND FOR APPROVAL OF THESE DATA <input checked="" type="checkbox"/> APPROVE THESE DATA					
 E. Burgoine, DAR 290M					

DOCUMENT CONTROL LIST

DOCUMENT NO.	DOCUMENT CONTENT	REVISION
INSTALLATION DOCUMENTS		
70201	Quick Release Cargo Basket Installation	0
ICA698.90	Instructions for Continued Airworthiness	0
FMS702.90	Flight Manual Supplement	0
FABRICATION DOCUMENTS		
DCL698-1 DCL698-2	Document Control List for Quick Release Cargo Basket Document Control List for Beams	0 0
ENGINEERING DOCUMENTS		
APPROVAL:		
 Transport Canada  Transports Canada AIRCRAFT CERTIFICATION DIVISION APPROVED  By: <i>S. [Signature]</i> Appr. No. <u>SH00-48</u> Appr. Date <u>00-12-08</u> Issue No. <u>5</u> Issue Date <u>06-06-09</u> <u>YY-MM-DD</u>	ORIGINAL DATE: 10 May, 2008 REVISION DATE: SHEET 1 OF 1	AERO DESIGN LTD. 2013 - 39 th Ave NE, Calgary, Alberta, T2E 6R7 Ph. (403) 250-8027 Fax. (403) 250-8333 Bell 206L Series Quick Release Cargo Basket Installation
		Rev.
	DCL702	0

AERO DESIGN LTD.

FMS702.90

BELL 206L SERIES

ROTORCRAFT FLIGHT MANUAL SUPPLEMENT
 for the
INSTALLATION of the AERO DESIGN
QUICK RELEASE CARGO BASKET

Supplemental Type Certificate No. SH00-48

Sections I, II, III and IV of this document comprise the Transport Canada Approved sections of this Flight Manual Supplement. Compliance with Section I, Limitations, is mandatory.

Section V and any subsequent sections if present are Unapproved and are provided for information only.

The information and data contained in this Flight Manual Supplement supersede or supplement that contained in the basic Approved Flight Manual for the Bell 206L Series when fitted with the Quick Release Cargo Basket Installation. For limitations, procedures and performance not listed in this Flight Manual Supplement, refer to the Approved Flight Manual and other approved Flight Manual Supplements.



Revision 0
05 May, 2006

JUN 09 2006
TRANSPORT CANADA APPROVED
Page 1

AERO DESIGN LTD.

FMS702.90

Table of Contents

I	Limitations	3
II	Normal Procedures	3
III	Emergency Procedures	3
IV	Performance	3
V	Weight and Balance	4
VI	Installation / removal instructions	6

Record of Revisions

Revision	Issue Date	Pages Revised	Date Inserted	By
0	05 May, 2006	None		

Revision 0
05 May, 2006

Page 2

AERO DESIGN LTD.

FMS702.90

I LIMITATIONS

1. The maximum load in the AERO Design Ltd. Quick Release Cargo Basket is 200 lb. (90.9 kg).
2. Flight operations limited to VFR conditions with AERO Design Ltd. Cargo Basket installed.

II NORMAL PROCEDURES

1. Pre-flight inspections:

- a) Ensure that all cargo stored in the cargo basket does not extend outside the basket, is properly tied down and secured for flight.
- b) Ensure that the lid of cargo basket is closed and secured.
- c) Ensure the basket is locked in position on the beams. Pull up on the forward and aft end of the basket to check.

CAUTION

It is possible to exceed the lateral centre of gravity limits of the rotorcraft under some loading conditions. Pilots must ensure that lateral C of G is within limits when loading the basket.

III EMERGENCY PROCEDURES

No change from basic Approved Flight Manual.

CAUTION:

The rotorcraft glide angle is steeper than that of the basic helicopter when the AERO Design Ltd. Cargo Basket is installed.

IV PERFORMANCE

Climb performance may be reduced by up to 350 fpm.

Cruise speeds are reduced by approximately 10 mph.

Revision D
05 May, 2006

JUN 09 2006 Page 3
TRANSPORT CANADA APPROVED

AERO DESIGN LTD.

FMS702.90

V WEIGHT AND BALANCE

1. The following weight and balance is for the low mounted quick release cargo basket configuration, installed in accordance with drawing 70201.

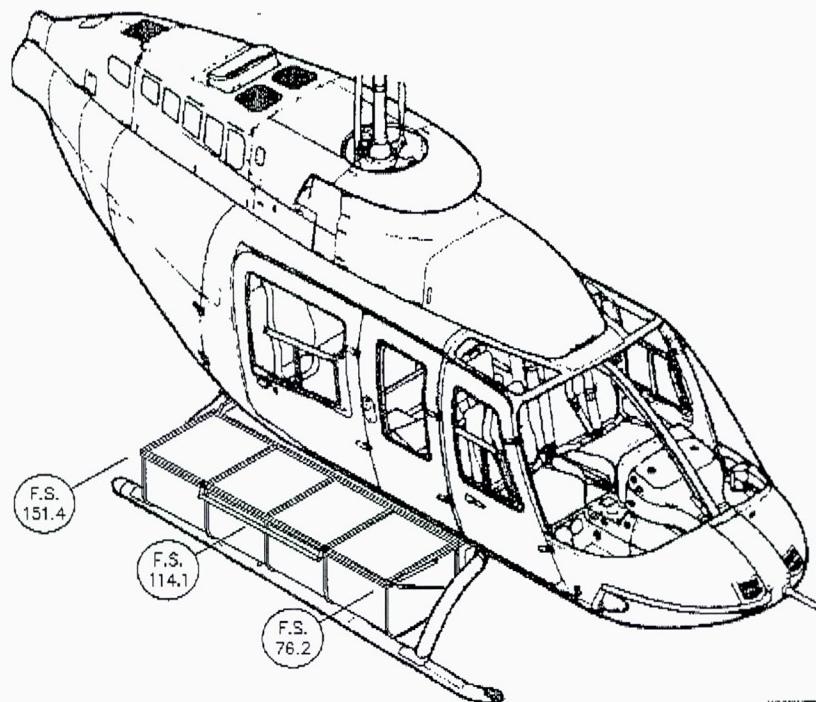


Figure 1 – Low Mounted Quick Release Cargo Basket Configuration

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FMS702.90

Low Mounted Quick Release Cargo Basket Configuration

Item	Weight	Longitudinal		Lateral	
		Arm	Moment	Arm	Moment
Cargo Basket Only ¹	45.0 lb	114.1 in	5134 in*lb	38.5 in	1733 in*lb
	20.4 kg	2898 mm	59 122 mm*kg	978 mm	19 949 mm*kg
Cargo ² (MAX)	200 lb	114.1 in	22 820 in*lb	38.5 in	7700 in*lb
	90.9 kg	2898 mm	263 467 mm*kg	978 mm	88 900 mm*kg

¹ Weight and balance is for Cargo Basket only. Mounting beams and attachment provisions are not included since they should have been included in the basic rotorcraft weight and balance at time of initial installation.

² Longitudinal and Lateral moment arms are given only for the center of the Cargo Basket. Due to the length of the basket, some loading arrangements may require that actual moment arms be measured, to determine the correct moments about the center of gravity.

Forward end of cargo basket is FS 76.2, aft end is FS 151.4.

CAUTION:

It is possible to exceed lateral CG limits in some configurations. For example, with one pilot, no passengers, fuel tanks half empty, and the AERO Design Ltd. cargo basket loaded with 200 pounds of cargo, the Lateral CG of the rotorcraft may be out of limits.

VI INSTALLATION / REMOVAL INSTRUCTIONS

The basket and beams are installed in accordance with drawing 70201. Removal of the basket leaving the beams in place is an approved configuration for flight. Logbook entry indicating installation or removal of basket and weight and balance amendment is required when basket is installed or removed.

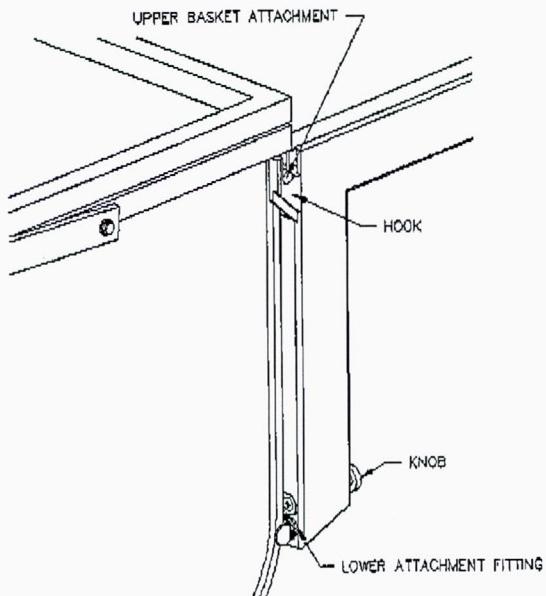


Figure 2 – Basket Attachment

1. Installation - Refer to Figure 2.
 1. Set basket upper attachment into hook on forward and aft beams.
 2. At forward end of basket, lift until lower attachment fitting can enter keyway. Push stop in and slide fitting down into keyway. Push down until locked. Repeat for aft end.
2. Removal - Refer to Figure 2.
 1. Pull knob at bottom end of forward beam and lift basket until lower attachment fitting is free of keyway. Keep upper basket attachment in hook on beam. Repeat for aft end.
 2. Lift basket off hooks and remove from helicopter.

FORM AE-100

DEPARTMENT OF TRANSPORT STATEMENT OF COMPLIANCE OF AIRCRAFT OR AIRCRAFT COMPONENTS WITH THE AIRWORTHINESS REQUIREMENTS		AE-100 No.: AE702 Initial Issue Date: 25 May, 2006 Revision: 0 Revision Date: Approval No.: SH00-48 Delegation No.: 290M Delegate Name: E. Burgoine Classification of Designee: Employer: AERO Design Ltd.			
Aircraft Mfgr: Bell Aircraft Model: 206L Registration: All Eligible				Model Type Airplane <input type="checkbox"/> Helicopter <input checked="" type="checkbox"/> Appliance <input type="checkbox"/> Component <input type="checkbox"/>	
LIST OF APPROVED REPORTS AND DATA					
Document Number	Document Title			Compliance Status	
DCL702 70201 DCL698-1 DCL698-2	Revision 0 Revision 0 Revision 0 Revision 0	Document Control List and all documents referred to therein Quick Release Cargo Basket Installation Document Control List for Quick Release Cargo Basket Document Control List for Beams			
DATA APPROVED BY TRANSPORT CANADA					
FMS702.90 ICA698.90	Revision 0 Revision 0	Flight Manual Supplement Instructions for Continued Airworthiness			
CERTIFICATION					
UNDER THE AUTHORITY VESTED IN ME BY THE DEPARTMENT OF TRANSPORT, I HEREBY CERTIFY THAT THE DATA LISTED ABOVE AND ON THE ATTACHED SHEETS NUMBERED Nil HAVE BEEN EXAMINED IN ACCORDANCE WITH ESTABLISHED PROCEDURES AND FOUND TO COMPLY, TO THE BEST OF MY KNOWLEDGE AND BELIEF WITH THE PERTINENT COMPLIANCE REQUIREMENTS.					
I THEREFORE <input type="checkbox"/> RECOMMEND FOR APPROVAL OF THESE DATA <input checked="" type="checkbox"/> APPROVE THESE DATA					
 E. Burgoine, DAR 290M					

DOCUMENT CONTROL LIST

DOCUMENT NO.	DOCUMENT CONTENT	REVISION
INSTALLATION DOCUMENTS		
70201	Quick Release Cargo Basket Installation	0
ICA698.90	Instructions for Continued Airworthiness	0
FMS702.90	Flight Manual Supplement	0
FABRICATION DOCUMENTS		
DCL698-1 DCL698-2	Document Control List for Quick Release Cargo Basket Document Control List for Beams	0 0
ENGINEERING DOCUMENTS		
APPROVAL:	ORIGINAL DATE: 10 May, 2006 REVISION DATE: SHEET 1 OF 1	AERO DESIGN LTD. 2013 – 39 th Ave NE, Calgary, Alberta, T2E 6R7 Ph. (403) 250-8027 Fax. (403) 250-8333 Bell 206L Series Quick Release Cargo Basket Installation
		Rev. 0
	DCL702	

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FMS702.90

BELL 206L SERIES

ROTORCRAFT FLIGHT MANUAL SUPPLEMENT for the INSTALLATION of the AERO DESIGN QUICK RELEASE CARGO BASKET

Supplemental Type Certificate No. SH00-48

Sections I, II, III and IV of this document comprise the Transport Canada Approved sections of this Flight Manual Supplement. Compliance with Section I, Limitations, is mandatory.

Section V and any subsequent sections if present are Unapproved and are provided for information only.

The information and data contained in this Flight Manual Supplement supersede or supplement that contained in the basic Approved Flight Manual for the Bell 206L Series when fitted with the Quick Release Cargo Basket Installation. For limitations, procedures and performance not listed in this Flight Manual Supplement, refer to the Approved Flight Manual and other approved Flight Manual Supplements.

Table of Contents

I	Limitations	3
II	Normal Procedures	3
III	Emergency Procedures	3
IV	Performance	3
V	Weight and Balance	4
VI	Installation / removal instructions	6

Record of Revisions

Revision	Issue Date	Pages Revised	Date Inserted	By
0	05 May, 2006	None		

I LIMITATIONS

1. The maximum load in the AERO Design Ltd. Quick Release Cargo Basket is 200 lb. (90.9 kg).
2. Flight operations limited to VFR conditions with AERO Design Ltd. Cargo Basket installed.

II NORMAL PROCEDURES

1. Pre-flight inspections:
 - a) Ensure that all cargo stored in the cargo basket does not extend outside the basket, is properly tied down and secured for flight.
 - b) Ensure that the lid of cargo basket is closed and secured.
 - c) Ensure the basket is locked in position on the beams. Pull up on the forward and aft end of the basket to check.

CAUTION

It is possible to exceed the lateral centre of gravity limits of the rotorcraft under some loading conditions. Pilots must ensure that lateral C of G is within limits when loading the basket.

III EMERGENCY PROCEDURES

No change from basic Approved Flight Manual.

CAUTION:

The rotorcraft glide angle is steeper than that of the basic helicopter when the AERO Design Ltd. Cargo Basket is installed.

IV PERFORMANCE

Climb performance may be reduced by up to 350 fpm.

Cruise speeds are reduced by approximately 10 mph.

V WEIGHT AND BALANCE

1. The following weight and balance is for the low mounted quick release cargo basket configuration, installed in accordance with drawing 70201.

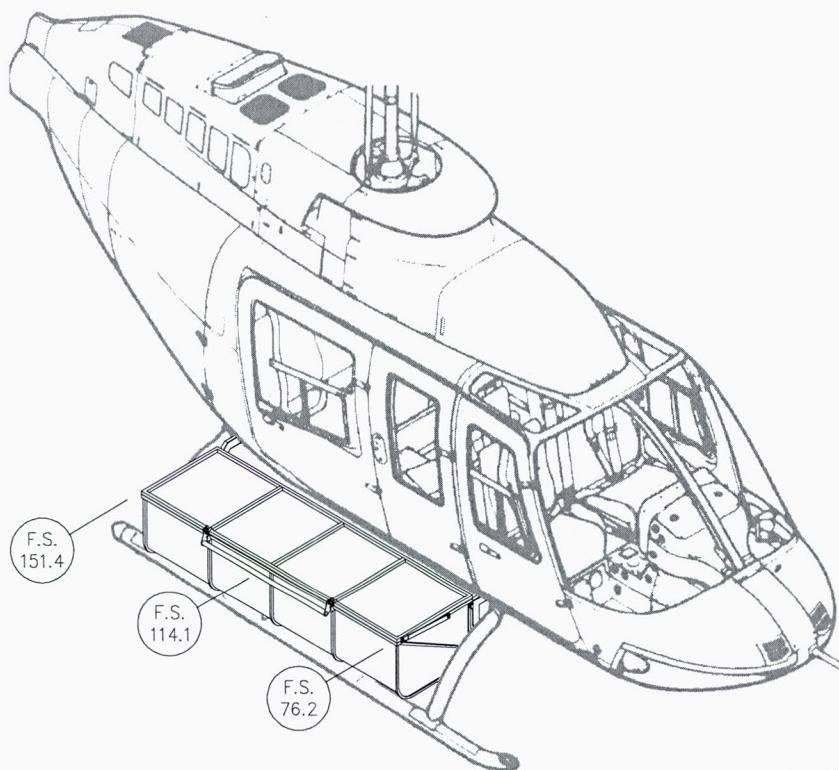


Figure 1 – Low Mounted Quick Release Cargo Basket Configuration

Low Mounted Quick Release Cargo Basket Configuration

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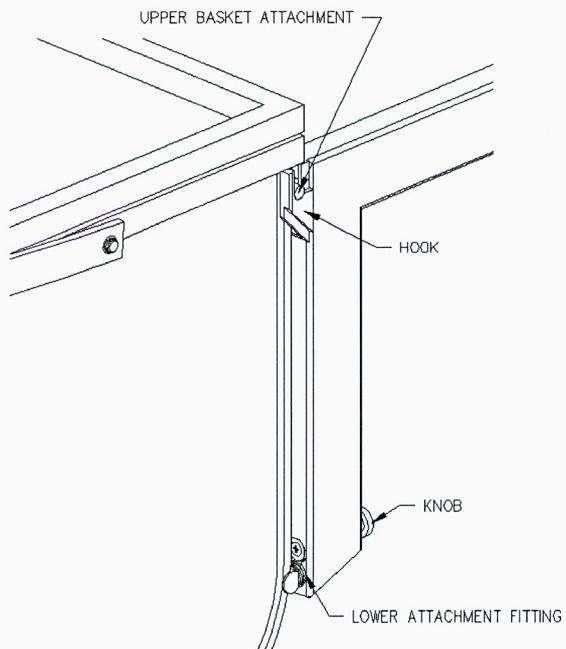


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